Polychlorinated Biphenyls in Coho Salmon From Waters of Lake Michigan

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Completion rept.
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A5495E2 FLD: 7C, 13B, 59A, 68D USGRDR7224
Sep 72 9p
CONTRACT: DI-14-01-0001-3222
PROJECT: OWRR-A-044-MICH
MONITOR: OWRR-A-044-MICH(1)

ABSTRACT: The objectives were two fold: To determine the level of polychlorinated biphenyl residues present in Coho salmon from Lake Michigan; and To chemically characterize the major individual components. Various physical and chemical methods used in attempts to separate the DDT complex, especially DDE, from polychlorinated biphenyls (PCB's) proved unsuccessful on a quantitative basis. These methods included high-speed liquid cclumn chromatography, sulfuric and permanganate oxidation, and derivatization with tetraphenyl cyclopentadienone. (Author)

DESCRIPTORS: (*Chlorine organic compounds, Separation), (*Water pollution, Chlorine organic compounds), Pesticides, Chromatographic analysis, DDT, Great Lakes, Chemical reactions, Oxidation

IDENTIFIERS: Biphenyl/chloro, *DDE pesticide, Lake Michigan

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